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Generate Collection

Print

L11: Entry 8 of 9

File: USPT

May 4, 1999

DOCUMENT-IDENTIFIER: US 5899992 A

TITLE: Scalable set oriented classifier

Detailed Description Text (24):(4) optimization of the executions([16])Detailed Description Text (69):

It is also possible for SQL to be extended to ensure that not only I/O is optimized but also processor 102 utilization. Taking liberty with SQL standards, the following query is written as a proposed SQL operator:

Detailed Description Text (83):

The new operator forms multiple groupings concurrently, and may allow further optimization.

Detailed Description Text (92):

In case the outer-join operator is not supported, by performing simple set operations such as EXCEPT and UNION, the SLIM classifier 114 can form a view DIM.sub.i with the same schema as DIM.sub.i first. For each possible split value on attribute i and each possible class label of each node, there is a row in DIM.sub.i that gives the number of rows belonging to this leaf node that have such a value on attribute i and such a class label. Note that DIM.sub.i is a superset of DIM.sub.i and the difference between them are those rows with a count 0. After DIM.sub.i is generated, the SLIM classifier 114 performs a self-join on DIM.sub.i to create the UP table as follow:

Other Reference Publication (1):

Ganski, R. A., et al., "Optimization of Nested SQL Queries Revisited", Proceedings of Association for Computing Machinery Special Interest Group on Management of Data, May 27-29, 1987, pp. 23-33.

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# Freeform Search

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<b>Database:</b>	US Pre-Grant Publication Full-Text Database
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	US OCR Full-Text Database
	EPO Abstracts Database
	JPO Abstracts Database
	Derwent World Patents Index
	IBM Technical Disclosure Bulletins

  

<b>Term:</b>	L10 and optimiz\$
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<b>Display:</b>	50	<b>Documents in Display Format:</b>	FRO	<b>Starting with Number</b>	1
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**Generate:** ☐ Hit List ☒ Hit Count ☐ Side by Side ☐ Image

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Search

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## Search History

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**DATE:** Friday, July 30, 2004    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L11</u>	L10 and optimiz\$	9	<u>L11</u>
<u>L10</u>	L9 and union	16	<u>L10</u>
<u>L9</u>	(self near Join)	50	<u>L9</u>
<u>L8</u>	L7 and (Join near operator\$)	20	<u>L8</u>
<u>L7</u>	L5 and join	39	<u>L7</u>
<u>L6</u>	L5 and (self near join)	0	<u>L6</u>
<u>L5</u>	L4 and (707/\$.ccls.)	45	<u>L5</u>
<u>L4</u>	union near operator\$	93	<u>L4</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L3</u>	L2 and (self near join)	8	<u>L3</u>
<u>L2</u>	L1 and (707/\$.ccls.)	75	<u>L2</u>
<u>L1</u>	union near operator	162	<u>L1</u>

END OF SEARCH HISTORY